```
=> d his ful
              (FILE 'HOME' ENTERED AT 14:58:36 ON 02 NOV 2006)

         FILE 'HCAPLUS' ENTERED AT 14:59:19 ON 02 NOV 2006
                   E KALVINSH I/AU
              84 SEA ABB=ON  PLU=ON   ("KALVINSH I"/AU OR "KALVINSH I
  L1                                  YA"/AU OR "KALVINSH IVAR"/AU OR "KALVINSH IVAR YA"/AU
                                      OR "KALVINSH IVAR YANOVICH"/AU OR "KALVINSH IVARS"/AU
                                      OR "KALVINSH IVARS Y"/AU OR "KALVINSH IVARS YA"/AU)
                   E BIRMANS A/AU
  L2           4 SEA ABB=ON  PLU=ON   "BIRMANS ANATOLIJS"/AU
  L3          85 SEA ABB=ON  PLU=ON   (L1 OR L2)
  L4           3 SEA ABB=ON  PLU=ON   L1 AND L2
  L5             QUE ABB=ON  PLU=ON   MELDONIUM? OR MET(W)88 OR MILDRON?
                 OR QUATERIN?
  L6           1 SEA ABB=ON  PLU=ON   L4 AND L5
                 SEL RN

         FILE 'REGISTRY' ENTERED AT 15:01:56 ON 02 NOV 2006
  L7          38 SEA ABB=ON  PLU=ON   (14807-96-6/BI OR 25322-68-3/BI OR
                                      50-99-7/BI OR 56-81-5/BI OR 57-11-4/BI OR 57-50-1/BI
                                      OR 63-42-3/BI OR 64-17-5/BI OR 67-68-5/BI OR 7631-86-9/
                                      BI OR 7732-18-5/BI OR 839675-63-7/BI OR 839675-64-8/BI
                                      OR 839675-65-9/BI OR 839675-66-0/BI OR 839675-67-1/BI
                                      OR 839675-68-2/BI OR 839675-69-3/BI OR 839675-70-6/BI
                                      OR 839675-71-7/BI OR 839675-72-8/BI OR 839675-74-0/BI
                                      OR 839675-77-3/BI OR 839675-80-8/BI OR 839675-83-1/BI
                                      OR 839675-85-3/BI OR 839675-86-4/BI OR 839675-87-5/BI
                                      OR 839675-88-6/BI OR 839675-89-7/BI OR 839675-90-0/BI
                                      OR 839675-91-1/BI OR 839675-92-2/BI OR 841303-59-1/BI
                                      OR 841303-60-4/BI OR 85107-82-0/BI OR 9004-34-6/BI OR
                                      9005-25-8/BI)
  L8           1 SEA ABB=ON  PLU=ON   76144-81-5/RN
                 D SCAN
                 D CN
                 E 59514-07-7/RN
  L9           1 SEA ABB=ON  PLU=ON   59514-07-7/RN
                 D SCAN
  L10         32 SEA ABB=ON  PLU=ON   59514-07-7/CRN
  L11         39 SEA ABB=ON  PLU=ON   73-97-2/CRN
  L12        156 SEA ABB=ON  PLU=ON   18610-42-9/CRN
  L13        106 SEA ABB=ON  PLU=ON   142-44-9/CRN
  L14        115 SEA ABB=ON  PLU=ON   18610-40-7/CRN
  L15        122 SEA ABB=ON  PLU=ON   142-42-7/CRN
  L16       1379 SEA ABB=ON  PLU=ON   14066-20-7/CRN
  L17         23 SEA ABB=ON  PLU=ON   L10 AND L7
  L18          6 SEA ABB=ON  PLU=ON   L10 AND ((L11 OR L12 OR L13 OR L14
                 OR L15 OR L16))
                 E 76144-81-5/CRN
  L19         17 SEA ABB=ON  PLU=ON   76144-81-5/CRN
  L20          0 SEA ABB=ON  PLU=ON   L19 AND (L11 OR L12 OR L13 OR L14
                 OR L15 OR L16)
                 E C6H15N2O2/MF
  L21         73 SEA ABB=ON  PLU=ON   C6H15N2O2.?/MF
                 E C6H14N2O2/MF
  L22        693 SEA ABB=ON  PLU=ON   C6H14N2O2.?/MF
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        FILE 'HCAPLUS' ENTERED AT 15:10:40 ON 02 NOV 2006

      FILE 'REGISTRY' ENTERED AT 15:11:50 ON 02 NOV 2006
                 1 SEA ABB=ON  PLU=ON  86426-17-7/RN
L23
                   D SCAN
                   D CN

       FILE 'HCAPLUS' ENTERED AT 15:12:04 ON 02 NOV 2006
L24          168 SEA ABB=ON  PLU=ON  L8
L25           67 SEA ABB=ON  PLU=ON  L8/D OR L8/DP OR L8/THU
L26            4 SEA ABB=ON  PLU=ON  L23/D OR L23/DP OR L23/THU
L27            9 SEA ABB=ON  PLU=ON  L23
L28            2 SEA ABB=ON  PLU=ON  L9
L29            2 SEA ABB=ON  PLU=ON  L9/D OR L9/DP OR L9/THU
L30            1 SEA ABB=ON  PLU=ON  L18
L31              QUE ABB=ON  PLU=ON  L24 OR L27 OR L28
L32              QUE ABB=ON  PLU=ON  SALT OR ELECTROLYT? OR ANION OR
                   CATION OR ION
L33            2 SEA ABB=ON  PLU=ON  (L31 OR L5)(3A)L32
L34            2 SEA ABB=ON  PLU=ON  L17
L35         7545 SEA ABB=ON  PLU=ON  L21
L36         2954 SEA ABB=ON  PLU=ON  L22
L37            7 SEA ABB=ON  PLU=ON  L10
L38           81 SEA ABB=ON  PLU=ON  L11
L39          298 SEA ABB=ON  PLU=ON  L12
L40          124 SEA ABB=ON  PLU=ON  L13
L41          110 SEA ABB=ON  PLU=ON  L14
L42          143 SEA ABB=ON  PLU=ON  L15
L43         1390 SEA ABB=ON  PLU=ON  L16
L44              QUE ABB=ON  PLU=ON  (L38 OR L39 OR L40 OR L41 OR L42
                   OR L43)
L45            1 SEA ABB=ON  PLU=ON  L37 AND L44
L46           12 SEA ABB=ON  PLU=ON  L19
L47            0 SEA ABB=ON  PLU=ON  L46 AND L44

      FILE 'REGISTRY' ENTERED AT 15:23:27 ON 02 NOV 2006
L48            0 SEA ABB=ON  PLU=ON  86426-17-7/CRN

       FILE 'HCAPLUS' ENTERED AT 15:23:56 ON 02 NOV 2006
L49         7545 SEA ABB=ON  PLU=ON  L21
L50         2954 SEA ABB=ON  PLU=ON  L22
L51            1 SEA ABB=ON  PLU=ON  L50 AND L44
L52              QUE ABB=ON  PLU=ON  (L25 OR L26) OR L29 OR L33
L53              QUE ABB=ON  PLU=ON  PHARMAC?/SC,SX
L54              QUE ABB=ON  PLU=ON  (DRUG? OR MEDICIN? OR PHARMAC?)(3A)
                   (DELIV? OR CARRIER?)
L55            3 SEA ABB=ON  PLU=ON  L49 AND L44

      FILE 'REGISTRY' ENTERED AT 15:47:28 ON 02 NOV 2006
L56              QUE ABB=ON  PLU=ON  (L11 OR L12 OR L13 OR L14 OR L15
                   OR L16)
L57            6 SEA ABB=ON  PLU=ON  L21 AND L56
L58            0 SEA ABB=ON  PLU=ON  L22 AND L56

       FILE 'HCAPLUS' ENTERED AT 15:48:42 ON 02 NOV 2006
L59            1 SEA ABB=ON  PLU=ON  L57
L60            3 SEA ABB=ON  PLU=ON  L49 AND L44
L61           21 SEA ABB=ON  PLU=ON  L30 OR (L33 OR L34) OR L37 OR L45
                   OR L19 OR L57 OR L60 OR L55
```

```
                        D QUE L52
                       11 SEA ABB=ON    PLU=ON   L61 AND L53
L62                     5 SEA ABB=ON     PLU=ON   L61 AND L54
L63                    70 SEA ABB=ON    PLU=ON   L52 AND L53
L64                    19 SEA ABB=ON    PLU=ON   L64 AND L54
L65                    26 SEA ABB=ON    PLU=ON   (L62 OR L63) OR L65
L66                    11 SEA ABB=ON    PLU=ON   (L62 OR L63)
L67                       QUE ABB=ON    PLU=ON   PY<2004 OR PRY<2004 OR AY<2004
L68                    19 SEA ABB=ON    PLU=ON   L66 AND L68 .
L69                     9 SEA ABB=ON    PLU=ON   L69 AND L67
L70                    10 SEA ABB=ON    PLU=ON   L69 NOT L70
L71
```

```
        FILE 'CAOLD' ENTERED AT 16:02:30 ON 02 NOV 2006
                        0 SEA ABB=ON    PLU=ON   L18
L72                     0 SEA ABB=ON    PLU=ON   L17
L73                     1 SEA ABB=ON    PLU=ON   MELDONIUM? OR MET(W)88 OR MILDRON?
L74                       OR QUATERIN?
                        0 SEA ABB=ON    PLU=ON   L9
L75                     0 SEA ABB=ON    PLU=ON   L8
L76                     0 SEA ABB=ON    PLU=ON   L10
L77                     0 SEA ABB=ON    PLU=ON   L19
L78                     0 SEA ABB=ON    PLU=ON   L23
L79                     0 SEA ABB=ON    PLU=ON   L21
L80                   174 SEA ABB=ON    PLU=ON   L22
L81                    51 SEA ABB=ON    PLU=ON   (L80 OR L81)
L82                   224 SEA ABB=ON    PLU=ON   L82 AND L54
L83                     0 SEA ABB=ON    PLU=ON
```

```
        FILE 'BIOSIS' ENTERED AT 16:07:10 ON 02 NOV 2006
                        0 SEA ABB=ON    PLU=ON   L18
L84                     0 SEA ABB=ON    PLU=ON   L17
L85
```

```
        FILE 'EMBASE' ENTERED AT 16:07:42 ON 02 NOV 2006
                        0 SEA ABB=ON    PLU=ON   L18
L86                     0 SEA ABB=ON    PLU=ON   L57
L87                     0 SEA ABB=ON    PLU=ON   L17
L88
```

```
        FILE 'MEDLINE' ENTERED AT 16:09:04 ON 02 NOV 2006
                        0 SEA ABB=ON    PLU=ON   L18
L89                     0 SEA ABB=ON    PLU=ON   L17
L90                     0 SEA ABB=ON    PLU=ON   L57
L91                     0 SEA ABB=ON    PLU=ON   L5(3A)L32
L92                    97 SEA ABB=ON    PLU=ON   MELDONIUM? OR MET(W)88 OR MILDRON?
L93                       OR QUATERIN?
                        0 SEA ABB=ON    PLU=ON   L93 AND L54
L94
```

```
        FILE 'WPIX' ENTERED AT 16:10:46 ON 02 NOV 2006
                       39 SEA ABB=ON    PLU=ON   MELDONIUM? OR MET(W)88 OR MILDRON?
L95                       OR QUATERIN?
                        1 SEA ABB=ON    PLU=ON   L95 AND L54
L96                       D SCAN
                          D AU
```

```
        FILE 'BIOSIS' ENTERED AT 16:11:40 ON 02 NOV 2006
                      134 SEA ABB=ON    PLU=ON   MELDONIUM? OR MET(W)88 OR MILDRON?
L97                       OR QUATERIN?
                        0 SEA ABB=ON    PLU=ON   L97 AND L54
L98
```

```
        FILE 'EMBASE' ENTERED AT 16:12:05 ON 02 NOV 2006
                       97 SEA ABB=ON    PLU=ON   MELDONIUM? OR MET(W)88 OR MILDRON?
L99
```

```
                    OR QUATERIN?
                  1 SEA ABB=ON    PLU=ON   L99 AND L54
L100
                   D SCAN
                   D L100


          FILE 'MEDLINE' ENTERED AT 16:12:53 ON 02 NOV 2006
                 0 SEA ABB=ON   PLU=ON   L5 AND L54
L101

        FILE 'HCAPLUS, WPIX, EMBASE' ENTERED AT 16:14:48 ON 02 NOV 2006
                20 DUP REM L69 L96 L100 (1 DUPLICATE REMOVED)
L102
                   D L102 1-20 TI AU


          FILE 'EMBASE' ENTERED AT 16:15:47 ON 02 NOV 2006
                 1 SEA L102
L103
                   D TI AU
                 0 SEA ABB=ON    PLU=ON   L103 AND L3
L104

          FILE 'HCAPLUS' ENTERED AT 16:16:39 ON 02 NOV 2006
                19 SEA L102
L105
                 6 SEA ABB=ON    PLU=ON   L105 AND L3
L106
                19 SEA ABB=ON    PLU=ON   L105 OR L106
L107
                 9 SEA ABB=ON    PLU=ON   L70 AND L107
L108
                   D SCAN
                10 S L107 NOT L108
L109



=> => => d que stat 1107
           84 SEA FILE=HCAPLUS ABB=ON   PLU=ON   ("KALVINSH I"/AU OR
L1
              "KALVINSH I YA"/AU OR "KALVINSH IVAR"/AU OR "KALVINSH
              IVAR YA"/AU OR "KALVINSH IVAR YANOVICH"/AU OR "KALVINSH
              IVARS"/AU OR "KALVINSH IVARS Y"/AU OR "KALVINSH IVARS
              YA"/AU)
            4 SEA FILE=HCAPLUS ABB=ON   PLU=ON   "BIRMANS ANATOLIJS"/AU
L2
           85 SEA FILE=HCAPLUS ABB=ON   PLU=ON   (L1 OR L2)
L3
              QUE  ABB=ON  PLU=ON  MELDONIUM? OR MET(W)88 OR MILDRON?
L5
              OR QUATERIN?
           38 SEA FILE=REGISTRY ABB=ON   PLU=ON   (14807-96-6/BI OR
L7
              25322-68-3/BI OR 50-99-7/BI OR 56-81-5/BI OR 57-11-4/BI
              OR 57-50-1/BI OR 63-42-3/BI OR 64-17-5/BI OR 67-68-5/B
              I OR 7631-86-9/BI OR 7732-18-5/BI OR 839675-63-7/BI OR
              839675-64-8/BI OR 839675-65-9/BI OR 839675-66-0/BI OR
              839675-67-1/BI OR 839675-68-2/BI OR 839675-69-3/BI OR
              839675-70-6/BI OR 839675-71-7/BI OR 839675-72-8/BI OR
              839675-74-0/BI OR 839675-77-3/BI OR 839675-80-8/BI OR
              839675-83-1/BI OR 839675-85-3/BI OR 839675-86-4/BI OR
              839675-87-5/BI OR 839675-88-6/BI OR 839675-89-7/BI OR
              839675-90-0/BI OR 839675-91-1/BI OR 839675-92-2/BI OR
              841303-59-1/BI OR 841303-60-4/BI OR 85107-82-0/BI OR
              9004-34-6/BI OR 9005-25-8/BI)
            1 SEA FILE=REGISTRY ABB=ON   PLU=ON   76144-81-5/RN
L8
            1 SEA FILE=REGISTRY ABB=ON   PLU=ON   59514-07-7/RN
L9
           32 SEA FILE=REGISTRY ABB=ON   PLU=ON   59514-07-7/CRN
L10
           39 SEA FILE=REGISTRY ABB=ON   PLU=ON   73-97-2/CRN
L11
          156 SEA FILE=REGISTRY ABB=ON   PLU=ON   18610-42-9/CRN
L12
          106 SEA FILE=REGISTRY ABB=ON   PLU=ON   142-44-9/CRN
L13
          115 SEA FILE=REGISTRY ABB=ON   PLU=ON   18610-40-7/CRN
L14
          122 SEA FILE=REGISTRY ABB=ON   PLU=ON   142-42-7/CRN
L15
```

				PLU=ON	14066-20-7/CRN	
L16	1379	SEA FILE=REGISTRY ABB=ON	PLU=ON	L10 AND L7		
L17	23	SEA FILE=REGISTRY ABB=ON	PLU=ON	L10 AND ((L11 OR L12		
L18	6	SEA FILE=REGISTRY ABB=ON	PLU=ON	OR L13 OR L14 OR L15 OR L16))		
L19	17	SEA FILE=REGISTRY ABB=ON	PLU=ON	76144-81-5/CRN		
L21	73	SEA FILE=REGISTRY ABB=ON	PLU=ON	C6H15N2O2.?/MF		
L23	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	86426-17-7/RN		
L24	168	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L8		
L25	67	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L8/D OR L8/DP OR L8/THU		
L26	4	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L23/D OR L23/DP OR L23/THU		
L27	9	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L23		
L28	2	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L9		
L29	2	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L9/D OR L9/DP OR L9/THU		
L30	1	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L18		
L31		QUE ABB=ON	PLU=ON	L24 OR L27 OR L28		
L32		QUE ABB=ON	PLU=ON	SALT OR ELECTROLYT? OR ANION OR CATION OR ION		
L33	2	SEA FILE=HCAPLUS ABB=ON	PLU=ON	(L31 OR L5)(3A)L32		
L34	2	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L17		
L37	7	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L10		
L38	81	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L11		
L39	298	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L12		
L40	124	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L13		
L41	110	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L14		
L42	143	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L15		
L43	1390	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L16		
L44		QUE ABB=ON	PLU=ON	(L38 OR L39 OR L40 OR L41 OR L42 OR L43)		
L45	1	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L37 AND L44		
L49	7545	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L21		
L52		QUE ABB=ON	PLU=ON	(L25 OR L26) OR L29 OR L33		
L53		QUE ABB=ON	PLU=ON	PHARMAC?/SC,SX		
L54		QUE ABB=ON	PLU=ON	(DRUG? OR MEDICIN? OR PHARMAC?)(3A)(DELIV? OR CARRIER?)		
L55	3	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L49 AND L44		
L56		QUE ABB=ON	PLU=ON	(L11 OR L12 OR L13 OR L14 OR L15 OR L16)		
L57	6	SEA FILE=REGISTRY ABB=ON	PLU=ON	L21 AND L56		
L60	3	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L49 AND L44		
L61	21	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L30 OR (L33 OR L34) OR L37 OR L45 OR L19 OR L57 OR L60 OR L55		
L62	11	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L61 AND L53		
L63	5	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L61 AND L54		
L64	70	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L52 AND L53		
L65	19	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L64 AND L54		
L66	26	SEA FILE=HCAPLUS ABB=ON	PLU=ON	(L62 OR L63) OR L65		
L68		QUE ABB=ON	PLU=ON	PY<2004 OR PRY<2004 OR AY<2004		
L69	19	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L66 AND L68		
L95	39	SEA FILE=WPIX ABB=ON	PLU=ON	MELDONIUM? OR MET(W)88 OR MILDRON? OR QUATERIN?		
L96	1	SEA FILE=WPIX ABB=ON	PLU=ON	L95 AND L54		
L99	97	SEA FILE=EMBASE ABB=ON	PLU=ON	MELDONIUM? OR MET(W)88 OR MILDRON? OR QUATERIN?		
L100	1	SEA FILE=EMBASE ABB=ON	PLU=ON	L99 AND L54		
L102	20	DUP REM L69 L96 L100 (1 DUPLICATE REMOVED)				
L105	19	SEA FILE=HCAPLUS L102				

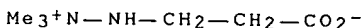| L106 | 6 SEA FILE=HCAPLUS ABB=ON | PLU=ON | L105 AND L3 |
| L107 | 19 SEA FILE=HCAPLUS ABB=ON | PLU=ON | L105 OR L106 |

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=> d 1108 1-9 ibib abs hitstr hitind
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L108 ANSWER 1 OF 9   HCAPLUS   COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2006:100738 HCAPLUS Full-text
DOCUMENT NUMBER:	144:198849
TITLE:	Novel dosage form comprising modified-release and immediate-release active ingredients
INVENTOR(S):	Vaya, Navin; Karan, Rajesh Singh; Sadanand, Sunil; Gupta, Vinod Kumar
PATENT ASSIGNEE(S):	India
SOURCE:	U.S. Pat. Appl. Publ., 49 pp., Cont.-in-part of U.S. Ser. No. 630,446. CODEN: USXXCO
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006024365	A1	20060202	US 2005-134633	2005 0519
IN 193042	A	20040626	IN 2002-MU697	2002 0805
US 2004096499	A1	20040520	US 2003-630446	2003 0729

PRIORITY APPLN. INFO.:			IN 2002-MU697	A	2002 0805
			IN 2002-MU699	A	2002 0805
			IN 2003-MU80	A	2003 0122
			IN 2003-MU82	A	2003 0122
			US 2003-630446	A2	2003 0729

AB   A dosage form comprising of a high dose, high solubility active ingredient as modified release and a low dose active ingredient as immediate release where

CN Hydrazinium, 2-(2-carboxyethyl)-1,1,1-trimethyl-, inner salt (9CI)
    (CA INDEX NAME)

$Me_3{}^+N-NH-CH_2-CH_2-CO_2{}^-$

IC A61K031-205
CC 1-8 (**Pharmacology**)
    Section cross-reference(s): 63
IT **Drug delivery** systems
        (capsules; **pharmaceutical** composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT **Drug delivery** systems
        (enemas, micro-; **pharmaceutical** composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT **Drug delivery** systems
        (granules; **pharmaceutical** composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT **Drug delivery** systems
        (ointments; **pharmaceutical** composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT **Drug delivery** systems
        (powders; **pharmaceutical** composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT **Drug delivery** systems
        (solns.; **pharmaceutical** composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT **Drug delivery** systems
        (suppositories; **pharmaceutical** composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT 407-64-7, γ-Butyrobetaine **76144-81-5**, Mildronate
    RL: BAC (Biological activity or effector, except adverse); BSU
    (Biological study, unclassified); **THU (Therapeutic use);**
    BIOL (Biological study); USES (Uses)
        (pharmaceutical composition for treating cardiovascular diseases
        containing methylhydrazinium propionate and butyrobetaine)

=> => d que stat 1103
L5   QUE ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON?
              OR QUATERIN?
L7   38 SEA FILE=REGISTRY ABB=ON PLU=ON (14807-96-6/BI OR
              25322-68-3/BI OR 50-99-7/BI OR 56-81-5/BI OR 57-11-4/BI
              OR 57-50-1/BI OR 63-42-3/BI OR 64-17-5/BI OR 67-68-5/B
              I OR 7631-86-9/BI OR 7732-18-5/BI OR 839675-63-7/BI OR
              839675-64-8/BI OR 839675-65-9/BI OR 839675-66-0/BI OR
              839675-67-1/BI OR 839675-68-2/BI OR 839675-69-3/BI OR
              839675-70-6/BI OR 839675-71-7/BI OR 839675-72-8/BI OR
              839675-74-0/BI OR 839675-77-3/BI OR 839675-80-8/BI OR

```
                        839675-83-1/BI OR 839675-85-3/BI OR 839675-86-4/BI OR
                        839675-87-5/BI OR 839675-88-6/BI OR 839675-89-7/BI OR
                        839675-90-0/BI OR 839675-91-1/BI OR 839675-92-2/BI OR
                        841303-59-1/BI OR 841303-60-4/BI OR 85107-82-0/BI OR
                        9004-34-6/BI OR 9005-25-8/BI)
L8          1 SEA FILE=REGISTRY ABB=ON   PLU=ON   76144-81-5/RN
L9          1 SEA FILE=REGISTRY ABB=ON   PLU=ON   59514-07-7/RN
L10        32 SEA FILE=REGISTRY ABB=ON   PLU=ON   59514-07-7/CRN
L11        39 SEA FILE=REGISTRY ABB=ON   PLU=ON   73-97-2/CRN
L12       156 SEA FILE=REGISTRY ABB=ON   PLU=ON   18610-42-9/CRN
L13       106 SEA FILE=REGISTRY ABB=ON   PLU=ON   142-44-9/CRN
L14       115 SEA FILE=REGISTRY ABB=ON   PLU=ON   18610-40-7/CRN
L15       122 SEA FILE=REGISTRY ABB=ON   PLU=ON   142-42-7/CRN
L16      1379 SEA FILE=REGISTRY ABB=ON   PLU=ON   14066-20-7/CRN
L17        23 SEA FILE=REGISTRY ABB=ON   PLU=ON   L10 AND L7
L18         6 SEA FILE=REGISTRY ABB=ON   PLU=ON   L10 AND ((L11 OR L12
                        OR L13 OR L14 OR L15 OR L16))
L19        17 SEA FILE=REGISTRY ABB=ON   PLU=ON   76144-81-5/CRN
L21        73 SEA FILE=REGISTRY ABB=ON   PLU=ON   C6H15N2O2.?/MF
L23         1 SEA FILE=REGISTRY ABB=ON   PLU=ON   86426-17-7/RN
L24       168 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L8
L25        67 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L8/D OR L8/DP OR
                        L8/THU
L26         4 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L23/D OR L23/DP OR
                        L23/THU
L27         9 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L23
L28         2 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L9
L29         2 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L9/D OR L9/DP OR
                        L9/THU
L30         1 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L18
L31           QUE  ABB=ON   PLU=ON   L24 OR L27 OR L28
L32           QUE  ABB=ON   PLU=ON   SALT OR ELECTROLYT? OR ANION OR CA
                        TION OR ION
L33         2 SEA FILE=HCAPLUS ABB=ON    PLU=ON   (L31 OR L5)(3A)L32
L34         2 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L17
L37         7 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L10
L38        81 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L11
L39       298 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L12
L40       124 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L13
L41       110 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L14
L42       143 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L15
L43      1390 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L16
L44           QUE  ABB=ON   PLU=ON   (L38 OR L39 OR L40 OR L41 OR L42 O
                        R L43)
L45         1 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L37 AND L44
L49      7545 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L21
L52           QUE  ABB=ON   PLU=ON   (L25 OR L26) OR L29 OR L33
L53           QUE  ABB=ON   PLU=ON   PHARMAC?/SC,SX
L54           QUE  ABB=ON   PLU=ON   (DRUG? OR MEDICIN? OR PHARMAC?)(3A
                        )(DELIV? OR CARRIER?)
L55         3 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L49 AND L44
L56           QUE  ABB=ON   PLU=ON   (L11 OR L12 OR L13 OR L14 OR L15 O
                        R L16)
L57         6 SEA FILE=REGISTRY ABB=ON   PLU=ON   L21 AND L56
L60         3 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L49 AND L44
L61        21 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L30 OR (L33 OR L34)
                        OR L37 OR L45 OR L19 OR L57 OR L60 OR L55
L62        11 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L61 AND L53
L63         5 SEA FILE=HCAPLUS ABB=ON    PLU=ON   L61 AND L54
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L64          70 SEA  FILE=HCAPLUS ABB=ON   PLU=ON   L52 AND L53
L65          19 SEA  FILE=HCAPLUS ABB=ON   PLU=ON   L64 AND L54
L66          26 SEA  FILE=HCAPLUS ABB=ON   PLU=ON   (L62 OR L63) OR L65
L68             QUE  ABB=ON  PLU=ON   PY<2004 OR PRY<2004 OR AY<2004
L69          19 SEA  FILE=HCAPLUS ABB=ON   PLU=ON   L66 AND L68
L95          39 SEA  FILE=WPIX ABB=ON   PLU=ON   MELDONIUM? OR MET(W)88
                OR MILDRON? OR QUATERIN?
L96           1 SEA  FILE=WPIX ABB=ON   PLU=ON   L95 AND L54
L99          97 SEA  FILE=EMBASE ABB=ON   PLU=ON   MELDONIUM? OR MET(W)88
                OR MILDRON? OR QUATERIN?
L100          1 SEA  FILE=EMBASE ABB=ON   PLU=ON   L99 AND L54
L102         20 DUP  REM L69 L96 L100 (1 DUPLICATE REMOVED)
L103          1 SEA  FILE=EMBASE L102


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L103 ANSWER 1 OF 1   EMBASE   COPYRIGHT (c) 2006 Elsevier B.V. All rights
      reserved on STN
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ACCESSION NUMBER: 2005038047 EMBASE   Full-text
TITLE: Targeted **drug delivery** to
                       mammalian mitochondria in living cells.
AUTHOR: Weissig V.
CORPORATE SOURCE: Dr. V. Weissig, Northeastern University, Department
                       of Pharmaceut. Sciences, Bouve College of Health
                       Sciences, 360 Huntington Avenue, Boston, MA 02115,
                       United States. v.weissig@neu.edu
SOURCE: Expert Opinion on Drug Delivery, (2005) Vol. 2, No.
                       1, pp. 89-102. .
                       Refs: 102
                       ISSN: 1742-5247
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 005   General Pathology and Pathological Anatomy
                       022   Human Genetics
                       029   Clinical Biochemistry
                       030   Pharmacology
                       037   Drug Literature Index
                       039   Pharmacy
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 4 Feb 2005
                       Last Updated on STN: 4 Feb 2005

ABSTRACT: Mitochondrial dysfunction causes or contributes to a large number of
human disorders including neuromuscular and neurodegenerative
diseases, diabetes, ischaemia-reperfusion injury and cancer.
Increasing efforts are being made towards mitochondria-directed
pharmacological intervention, leading to the emergence of
'mitochondrial medicine'as a new field of biomedical research. The
identification of new molecular mitochondrial drug targets in
combination with the development of methods for selectively delivering
biologically active molecules to the site of mitochondria will
eventually launch new therapies for the treatment of
mitochondria-related diseases, based either on the selective
protection, repair or eradication of cells. This review discusses the
need for the development of mitochondria-specific **drug** and
DNA **delivery** systems, and evaluates the currently employed
strategies for mitochondrial drug targeting, including some of their
potential therapeutic applications. .COPYRGT. 2005 Ashley Publications

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                 paclitaxel: PR, pharmaceutics
                 paclitaxel: PD, pharmacology
                 phospholipid: PR, pharmaceutics
                 unindexed drug
    RN           (ranolazine) 95635-55-5; (perhexiline) 6621-47-2; (
                 mildronate) 76144-81-5; (trimetazidine) 13171-25-0,
                 5011-34-7; (hypoglycine A) 156-56-9; (dichloroacetic acid)
                 13425-80-4, 2156-56-1, 79-43-6; (cyclosporin A) 59865-13-3,
                 63798-73-2; (cyclophilin) 126043-36-5; (carboxyfluorescein)
                 72088-94-9; (ficoll) 25702-74-3; (rhodamine 123) 62669-70-9;
                 (methyltriphenylphosphonium) 1031-15-8, 15912-74-0, 1779-49-3;
                 (dequalinium) 4028-98-2, 522-51-0, 6707-58-0, 8054-75-9; (1,1'
                 bis(2 ethyl 1,3 dioxolan 2 yl)cryptocyanine) 106789-30-4;
                 (paclitaxel) 33069-62-4
    CN           Met 88


=> => d que stat 1117
    L1           84 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ("KALVINSH I"/AU OR
                    "KALVINSH I YA"/AU OR "KALVINSH IVAR"/AU OR "KALVINSH
                    IVAR YA"/AU OR "KALVINSH IVAR YANOVICH"/AU OR "KALVINSH
                    IVARS"/AU OR "KALVINSH IVARS Y"/AU OR "KALVINSH IVARS
                    YA"/AU)
    L2            4 SEA FILE=HCAPLUS ABB=ON  PLU=ON  "BIRMANS ANATOLIJS"/AU

    L3           85 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L1 OR L2)
    L5              QUE ABB=ON  PLU=ON  MELDONIUM? OR MET(W)88 OR MILDRON?
                    OR QUATERIN?
    L7           38 SEA FILE=REGISTRY ABB=ON  PLU=ON  (14807-96-6/BI OR
                    25322-68-3/BI OR 50-99-7/BI OR 56-81-5/BI OR 57-11-4/BI
                    OR 57-50-1/BI OR 63-42-3/BI OR 64-17-5/BI OR 67-68-5/B
                    I OR 7631-86-9/BI OR 7732-18-5/BI OR 839675-63-7/BI OR
                    839675-64-8/BI OR 839675-65-9/BI OR 839675-66-0/BI OR
                    839675-67-1/BI OR 839675-68-2/BI OR 839675-69-3/BI OR
                    839675-70-6/BI OR 839675-71-7/BI OR 839675-72-8/BI OR
                    839675-74-0/BI OR 839675-77-3/BI OR 839675-80-8/BI OR
                    839675-83-1/BI OR 839675-85-3/BI OR 839675-86-4/BI OR
                    839675-87-5/BI OR 839675-88-6/BI OR 839675-89-7/BI OR
                    839675-90-0/BI OR 839675-91-1/BI OR 839675-92-2/BI OR
                    841303-59-1/BI OR 841303-60-4/BI OR 85107-82-0/BI OR
                    9004-34-6/BI OR 9005-25-8/BI)
    L8            1 SEA FILE=REGISTRY ABB=ON  PLU=ON  76144-81-5/RN
    L9            1 SEA FILE=REGISTRY ABB=ON  PLU=ON  59514-07-7/RN
    L10          32 SEA FILE=REGISTRY ABB=ON  PLU=ON  59514-07-7/CRN
    L11          39 SEA FILE=REGISTRY ABB=ON  PLU=ON  73-97-2/CRN
    L12         156 SEA FILE=REGISTRY ABB=ON  PLU=ON  18610-42-9/CRN
    L13         106 SEA FILE=REGISTRY ABB=ON  PLU=ON  142-44-9/CRN
    L14         115 SEA FILE=REGISTRY ABB=ON  PLU=ON  18610-40-7/CRN
    L15         122 SEA FILE=REGISTRY ABB=ON  PLU=ON  142-42-7/CRN
    L16        1379 SEA FILE=REGISTRY ABB=ON  PLU=ON  14066-20-7/CRN
    L17          23 SEA FILE=REGISTRY ABB=ON  PLU=ON  L10 AND L7
    L18           6 SEA FILE=REGISTRY ABB=ON  PLU=ON  L10 AND ((L11 OR L12
                    OR L13 OR L14 OR L15 OR L16))
    L19          17 SEA FILE=REGISTRY ABB=ON  PLU=ON  76144-81-5/CRN
    L21          73 SEA FILE=REGISTRY ABB=ON  PLU=ON  C6H15N2O2.?/MF
    L23           1 SEA FILE=REGISTRY ABB=ON  PLU=ON  86426-17-7/RN
    L24         168 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L8
    L25          67 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L8/D OR L8/DP OR
                    L8/THU
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L26          4 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L23/D OR L23/DP OR
                L23/THU
L27          9 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L23
L28          2 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L9
L29          2 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L9/D OR L9/DP OR
                L9/THU
L30          1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L18
L31            QUE  ABB=ON  PLU=ON  L24 OR L27 OR L28
L32            QUE  ABB=ON  PLU=ON  SALT OR ELECTROLYT? OR ANION OR CA
                TION OR ION
L33          2 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L31 OR L5)(3A)L32
L34          2 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L17
L37          7 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L10
L38         81 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L11
L39        298 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L12
L40        124 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L13
L41        110 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L14
L42        143 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L15
L43       1390 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L16
L44            QUE  ABB=ON  PLU=ON  (L38 OR L39 OR L40 OR L41 OR L42 O
                R L43)
L45          1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L37 AND L44
L49       7545 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L21
L52            QUE  ABB=ON  PLU=ON  (L25 OR L26) OR L29 OR L33
L53            QUE  ABB=ON  PLU=ON  PHARMAC?/SC,SX
L54            QUE  ABB=ON  PLU=ON  (DRUG? OR MEDICIN? OR PHARMAC?)(3A
                )(DELIV? OR CARRIER?)
L55          3 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L49 AND L44
L56            QUE  ABB=ON  PLU=ON  (L11 OR L12 OR L13 OR L14 OR L15 O
                R L16)
L57          6 SEA FILE=REGISTRY ABB=ON  PLU=ON  L21 AND L56
L60          3 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L49 AND L44
L61         21 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L30 OR (L33 OR L34)
                OR L37 OR L45 OR L19 OR L57 OR L60 OR L55
L62         11 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L61 AND L53
L63          5 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L61 AND L54
L64         70 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L52 AND L53
L65         19 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L64 AND L54
L66         26 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L62 OR L63) OR L65
L68            QUE  ABB=ON  PLU=ON  PY<2004 OR PRY<2004 OR AY<2004
L69         19 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L66 AND L68
L95         39 SEA FILE=WPIX ABB=ON  PLU=ON  MELDONIUM? OR MET(W)88
                OR MILDRON? OR QUATERIN?
L96          1 SEA FILE=WPIX ABB=ON  PLU=ON  L95 AND L54
L99         97 SEA FILE=EMBASE ABB=ON  PLU=ON  MELDONIUM? OR MET(W)88
                OR MILDRON? OR QUATERIN?
L100         1 SEA FILE=EMBASE ABB=ON  PLU=ON  L99 AND L54
L102        20 DUP REM L69 L96 L100 (1 DUPLICATE REMOVED)
L105        19 SEA FILE=HCAPLUS L102
L106         6 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L105 AND L3
L107        19 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L105 OR L106
L115        14 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L111 OR L112
L116        10 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L115 NOT L107
L117         4 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L116 AND L68

=> d l117 1-4 ibib abs

L117 ANSWER 1 OF 4  HCAPLUS  COPYRIGHT 2006 ACS on STN
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